YP-W1

Digital Audio Player

user manual

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Using this manual

- Some operations of your MP3 player may differ from those described in this manual depending on the firmware installed.
  Some of the contents may be changed without prior notice.
- Your MP3 player and screens may differ from the illustrations in this manual.
- This user manual is based on the Windows XP operating system. The operation of your player may differ from the operation described in this manual depending on your PC's operating system.
- Sound sources, wallpapers, and images provided in this product are licensed for limited use by Samsung from their respective owners. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Samsung is not liable for such copyright infringement by the user.
- To view troubleshooting, see "Troubleshooting".

Icons used in this manual

Icon	Description
Note	Notes, usage tips, or additional information
Caution	Safety warnings and precautions
< >	Menu names or text on the screen ; for example: <Yes>

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Safety information

This manual describes how to properly use your new MP3 player. Read it carefully to avoid damaging the player and injuring yourself. Pay particular attention to the following serious warnings.

CAUTION

Situations that may result in death or serious injury to yourself or others

- Do not use the product during a thunderstorm. Thunderstorms can cause the player to malfunction and increase the risk of electric shock.
- Using earphones or headphones for an extended time may cause serious damage to your hearing.
  If you are exposed to sound louder than 85db for an extended time, you may adversely affect your hearing. The louder the sound is, the more seriously damaged your hearing may be. Note that an ordinary conversation is between 50 to 60 db and road noise is approximately 80 db.
  You are strongly advised to set the volume level to medium. The medium level is usually less than 2/3 of the maximum.
- If you hear a ringing in your ear(s), lower the volume or stop using the earphones or headphones.
- Exposure to loud sounds while walking or driving may distract your attention and cause an accident.
- Do not use the earphones while riding a bicycle, driving an automobile or motorcycle, or while walking or jogging on a road or in a crosswalk. The earphones may prevent you from hearing oncoming traffic and lead to a serious accident. Using earphones when driving is also prohibited by law in some areas.
- Use only accessories provided by or approved by Samsung.
- When hanging the product around your neck, do not apply pressure to the neck strap. To prevent accidental choking, keep the neck strap away from children, the elderly, and people incapable of caring for themselves.

- Stop using the player and contact a Samsung Service Centre if the player or battery emits smoke, an unusual smell, or unusual noises. Failure to do so may result in a fire or injury.
- Do not touch the product or the power cord with wet hands. The water can conduct electricity and cause an electrical shock.
- Do not place the product in or near heaters, microwave ovens, hot cooking equipment, or high pressure containers. Excessive heat or pressure can cause the product to break, explode, or catch fire.
- Turn off the product where it is prohibited.
  The product may interfere with electronic signals.
  Turn off the product when boarding an airplane.
  The product may interfere with the electronic navigation system of the airplane.
  Turn off the product in hospitals.
  Comply with all hospital regulations. The product may interfere with medical equipment.
- Do not use the player near fuels, combustibles, flammable chemicals, or explosive materials. Comply with regulations, instructions, and warnings in environments where explosive materials are located. Turn off the product before refuelling your car, motorcycle, boat, etc.
- Keep your player and all accessories out of the reach of small children and animals. Children or animals can damage the player or accidently damage the battery and cause an explosion. Small parts may choke children or pets.
- If your device has a camera flash or light, do not use a flash close to the eyes of people or pets.
- Do not expose your eyes to direct sunlight through the screen of the product. It may damage your eyes.

WARNING

Situations that could cause damage to yourself or the product

- Do not disassemble, repair, or modify this product on your own.
- For your safety, make sure the earphone cable does not get in the way of your arm or become entangled in nearby objects while you are exercising or walking.
- Do not get the product wet or drop it in water. If the product gets wet, do not switch it on. You could get an electric shock.
  Do not allow the product or battery to come in contact with liquid. This product contains an internal label that indicates contact with liquids. Damages caused by contact with liquids are not covered by the warranty.
- Do not leave the player in locations with temperatures above 35 °C, such as saunas or a parked cars.
- Do not use or store your player in dusty, dirty, humid, or poorly-ventilated areas. Using or storing your player in these environments can lead to electrical shock or fire. Prevent any foreign particles or dust from entering the product.
- Do not use the product if the screen is cracked or broken. Broken glass or acrylic could cause injury to your hand or face. Bring the product to a Samsung service centre to replace the screen. Damage caused by careless handling will void the warranty.
- Be sure to backup important data. Samsung is not responsible for data loss.
- Protect your player from harsh impacts and rough handling.
- Do not place heavy objects on top of the player.
- Do not place or store the product on an incline, as the product can fall and be damaged due to an impact.
- Be sure children understand how to operate the product correctly and safely.
  Improper use of the product may cause the product to break down or cause an injury.
- Do not use the product near speakers, large electric motors, strong magnetic fields, high voltage power lines, or communication towers. The product may malfunction due to electromagnetic waves.

- Do not spray water on the product. Never clean the product with chemical substances such as benzene or thinner, as this may cause fire, electric shock or cause the surface to deteriorate.

- Do not paint or put stickers on the product. The USB connection cap may get stuck, or the touch screen may not work properly.
  If you are allergic to the paint on the product or the metal parts of the product, you may experience itching, eczema, or swelling of the skin. If this happens, stop using the product and consult your physician.

- Do not carry the product in your back pockets or around your waist. You may be injured by the player and/or damage the player if you fall.

- Do not place the product near magnetic objects. Exposure to magnetic objects can cause the product to malfunction or the battery to discharge.
  Magnetic strip cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

- Use common sense when using the product in public. Avoid disturbing others when using the product in public.

- To clean the product, wipe it with a soft, clean, dry cloth. Do not use strong chemicals or detergents.

- Use caution when using the product near other electronic devices.
  Most electronic devices emit radio frequency signals. The product may interfere with other electronic devices, such as medical appliances, pacemakers, hearing aids, and automotive equipment.

- Avoid exposing the product to hot exhaust gas or steam. The product may become deformed or malfunction.

- Do not use the product for anything other than its intended purpose.

- In dry environments, static electricity can build up in the headset. Avoid using headsets in dry environments or touch a metal object to discharge static electricity before connecting a headset to the device.

Use caution when using the battery

- If you detect a leak, odours, or smoke, turn off the product immediately and contact a Samsung service centre.
  The battery may explode or cause a fire.
- Do not use the product on or near hot floors or electric blankets.
  The battery may malfunction, explode, or cause a fire.
- Do not expose the battery to sources of excessive heat such as sunshine, fire, or the like.
- Do not puncture the battery or subject the battery to sharp impacts. Damaged or punctured batteries can explode or cause a fire.
- Do not store the battery with metal objects, such as coins, keys, and necklaces. If the battery terminals come in contact with metal objects, the battery can be damaged, become deformed, or malfunction. It can also cause a fire.
- Do not use the player in a bathroom. Water or fluids may damage the parts or circuits of the product.
  The product or battery may malfunction, cause a fire or explode.
  Use the product only within the suggested temperature and humidity range: 5 ~ 35 °C and 20 ~ 80 % relative humidity.
- Do not overcharge the battery.
  Disconnect the charger when the battery is fully charged.
- Charge the battery once a month if you are not using it regularly over along time. Discharging the battery may shorten the battery life. The battery may eventually malfunction, cause a fire, or explode.

Special features of your MP3 player

- Simple menus for language study in Study mode
- SoundAlive™ brings your music to life
- Compact, simplistic design

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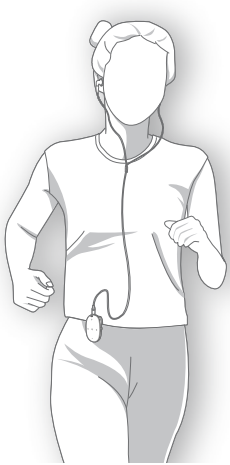

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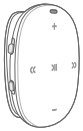
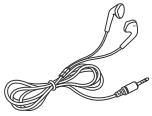
What's included

Check your product box for the following items:

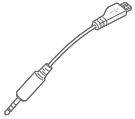


Player

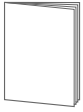


Earphones

PC connector



Phone connector



Quick start guide

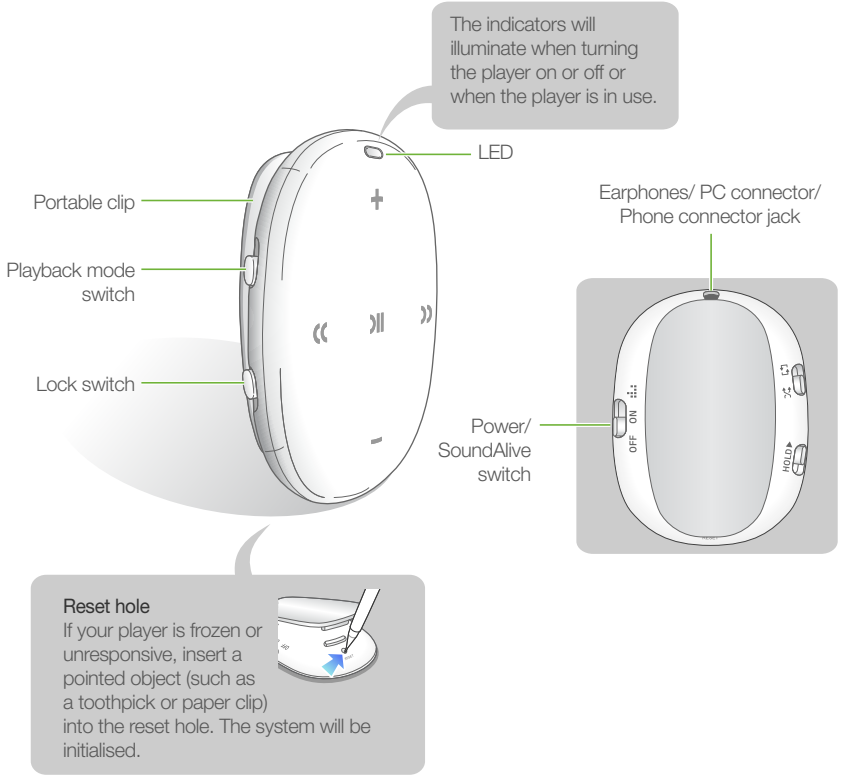
Note

- The items supplied with your player may look different than the illustrations in this manual.
- You can obtain additional accessories from your local Samsung dealer.

Caution

- Do not connect the supplied PC connector and Phone connector to other products.
- Do not apply any excessive pressure on the portable clip of the player. It may damage the player.

Your player


The indicators will illuminate when turning the player on or off or when the player is in use.
LED
Portable clip
Playback mode switch
Lock switch
Earphones/ PC connector/ Phone connector jack
Power/ SoundAlive switch
OFF ON
HOLD
Reset hole
If your player is frozen or unresponsive, insert a pointed object (such as a toothpick or paper clip) into the reset hole. The system will be initialised.

Switch functions

Switch	Function
Power/ SoundAlive	• Activate the SoundAlive feature (slide to the top) • Turn the player on (slide to the center) • Turn the player off (slide to the bottom)
Playback mode	• Activate normal playback mode (slide up) • Activate Shuffle mode (slide down)
Lock	• Lock the touch buttons (slide up) • Unlock the touch buttons (slide down)

Touch button functions

Touch button	Function
+ − Volume	Adjust the volume
Search	• Skip to the previous/next file • Search backward/forward (press and hold)
Play/Pause	Begin or pause playback

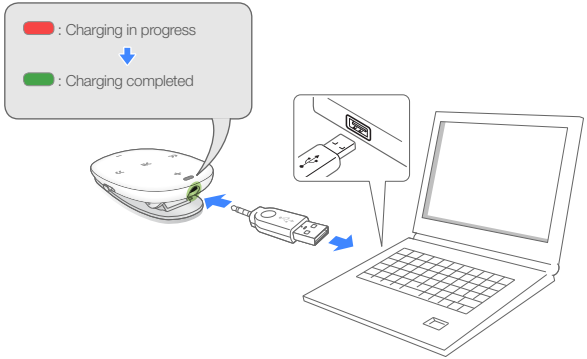
LED Status

LED color	Indication
Blue	• Power ON/OFF • Data transmission
Red	• Charging in progress (when connected to a PC) • Display the battery level when pressing the touch buttons while using the product : 1~10 % * When the battery level falls below 10%, you can use the player for an hour and a half without charging.(This is based on playing mp3 at 128kbps. Playing time may vary depending on contents.)
Green	• Charging completed (when connected to a PC) • Display the battery level when pressing touch buttons while using the product : 11~100 %
Blue → Green → Orange blinking	Display the SoundAlive feature activation process

Connect to a PC and charge the battery

Connect your player to a PC and charge the battery before you use your player for the first time or when you have not used it for a long time.

1. Connect the smaller end of the PC connector to the earphones jack at the top of your player.
2. Connect the larger end of the PC connector to the USB port of a PC.



Charging time	About 2 hours

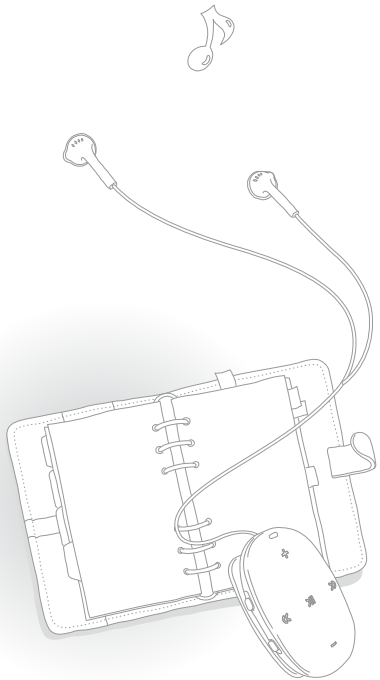
3. When the battery is fully charged, unplug the PC connector from your player and the PC.

About the battery

- Charge and store the battery at 5 ℃ ~ 35 ℃.
- Do not charge the battery for more than 12 hours or leave the battery fully discharged for a long time. Doing so may shorten the battery life.
- Depending on how you use your player, actual battery life may vary and may be shorter than specified.

Note

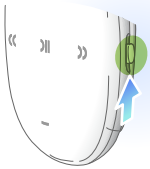
- The charging time may differ depending on your PC's capabilities.
- If you want to charge the battery on your laptop, make sure that the laptop's battery is full or the laptop is plugged into a power source.
- The player can only be charged by connecting to your PC with the PC connector. Do not use a separate USB AC Adapter. It may not charge the battery or allow proper operation of the player.



Turn your player on and lock the buttons

Turn your player on or off

Slide OFF ON to <ON> to turn the player on. To turn the player off, slide OFF ON to the bottom.

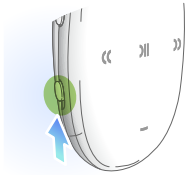


Note

Turn the player off when not in use to avoid wasting power.

Lock or unlock the buttons

Lock the touch buttons to prevent any unwanted operations while listening to music.
Slide HOLD up to lock the touch buttons. To unlock the touch buttons, slide HOLD down.



Download music files

Download music files from a PC to your player.

Caution

To avoid damage to your player and corruption of your files, do not disconnect the PC connector while files are being transferred.

Supported file formats and PC requirements

Supported files

Menu	Supported files
Music	Music files

Note

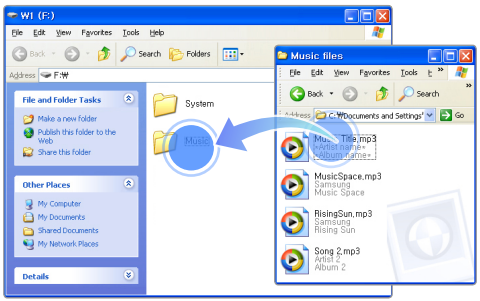
For supported file formats, see "Specifications" on page 24.

Recommended PC requirements

Operating System	Windows XP SP 2 or higher/Vista/7

Download files using your player as a removable disk

1. Connect your player to a PC using the PC connector.
2. On your PC, open <My Computer> and then the <W1> folder.
3. Select a folder you want.
4. Copy files from the PC to your player.



Note

- The order of files on your PC will differ from the order of files in your player.
- Your player restricts playback of files protected by a DRM (Digital Rights Management) system.
- You cannot use your player when connected to a PC.
- If you connect your player to a PC when the player's battery is low, the battery charges for a few minutes before your player links to the PC and Kies launches.
- Connect the player directly to the USB port of your PC. If you connect through a USB hub or a USB extension cable, your player may not work properly.
- When you format your player on a PC, use the FAT32 system. In Windows Vista/7, click <Restore device defaults> and then format your player.
- You can easily download various media files with Kies. For information about installing Kies on a PC, refer to the Quick Start Guide supplied with your player. Refer to http://www.samsung.com for installation precautions and installation details.

What is DRM?

Digital Rights Management (DRM) is a technology and service that prevents the illegal copying of digital contents and protects the profit and rights of copyright holders or content producers.

Disconnect your player from a PC

Carefully follow the steps below when disconnecting your player from a PC to avoid data loss or damage to your player.

Example: Windows XP

1. Click on the Windows taskbar.

2. Click the pop-up message.

3. Click the window that says you can remove the player safely.
4. Unplug the PC connector from your player and the PC.

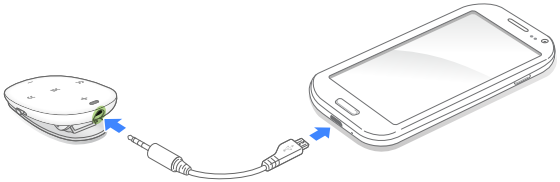
Caution

- To avoid damage to your player and corruption of your files, do not disconnect the PC connector while files are being transferred.
- Do not disconnect your player when playing files stored in your player on a PC. Make sure that you stop playback and then disconnect your player from a PC.

Connect to Galaxy S3

Connect the player to the Samsung Galaxy S3 and copy the music files in your Galaxy S3 directly to your player.

1. Connect the smaller end of the phone connector to the earphones jack at the top of your player.
2. Connect the larger end of the phone connector to the multifunction jack of your Galaxy S3.



Copying music files to the player

1. Open <My files> on the Galaxy S3.
2. Tap <Copy> and then select a music file you want to copy.
3. Connect the player to Galaxy S3 using the Phone connector.
4. Copy the file to the <UsbDriveA> folder.
5. Disconnect the player from the Galaxy S3.
6. Play music on the player.

Listen to music

Play music files on your player.
To download files, see "Download music files" on page 16.

Turn the player on and press ⏯ to play music.

To	Button	Action
Skip to the next file / Search forward in a file		Press ⏭ / Press and hold ⏭
Skip to the previous file / Search backward in a file		Press ⏮ / Press and hold ⏮. If you press ⏮ 3 seconds after the file starts playing, playback will restart.
Pause or resume playback		Press ⏯
Turn the volume up		Press +
Turn the volume down		Press −

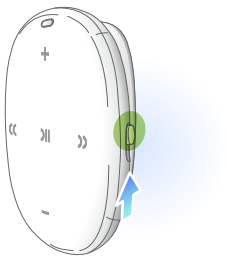
Caution

- When unused for 10 seconds, the player goes into sleep mode. To turn off sleep mode, press and hold any touch buttons for 1 second.
- Press the volume button (+ or -) repeatedly to adjust the volume. Pressing and holding the button does not work.

SoundAlive

Enjoy vibrant sound with the SoundAlive feature.

Slide OFF ON to the top to activate the SoundAlive feature during playback.



Play Mode

Change the repeat mode.

During playback, select the play mode by controlling .

Appendix

View the maintenance procedures, specifications and troubleshooting solutions for your player.

Maintenance of your player

Carefully read the following to clean, store, or dispose of your player properly.

Cleaning

- When your player is dirty, wipe it with a soft, clean, dry cloth.
- Do not apply cleaners to your player's surface. This may cause damage or affect the performance of the player.
- Do not use strong chemicals or detergents.

Storing

Store your player in a well-ventilated area.

Disposing

- Dispose of wrapping materials, batteries, and electronic devices separately.
- The wrapping materials include paper and two kinds of plastics (PC, PE).

Troubleshooting

When you have a trouble using the player, try the following before contacting a service centre.

Problem	Solution
My player will not turn on.	• Your player will not turn on if the battery is completely drained. Recharge the battery and turn the player on again. • Press the reset hole.
The buttons do not work.	• Check if the buttons are locked. • Check if the buttons correspond to the functions you want to activate. • Press the reset hole.
The battery running time is different from what is written in the user manual.	• Battery runtime may vary depending on sound settings or file format. • The battery running time may decrease if your player is left in a location with a high or low temperature.
Kies will not work on a PC.	Check if your PC meets PC requirements. See "Recommended PC requirements."
My player will not connect to a PC.	Run Windows Update on the PC. Select key updates and service packs and update all. When the update is completed, reboot the PC and reconnect.
The file transfer is too slow.	End all programs you are not using. Running multiple programs simultaneously can slow down the file transfer rate.

Problem	Solution
My player will not play any files.	• Check if any playable files are stored in your player. • Check if the files are damaged. • Check if the battery is charged.
I cannot download files to my player.	• Check if the PC connector is correctly connected. Reconnect it. • Check if the memory is full. • Press the reset hole.
Files or data are missing.	Check if you disconnected the PC connector while transferring files or data. This can cause data loss or fatal errors in your player. Samsung is not responsible for any damages resulting from data loss.
My player is getting hot to the touch.	Charging the battery can heat up your player. It does not affect the player's life or capabilities.

Specifications

Model Name	YP-W1
Rating	DC 5.0 V / 0.5 A
File	• MPEG1/2/2.5 Layer3 (20 kbps ~ 320 kbps, 8 kHz ~ 48 kHz) • WMA(48 kbps ~ 320 kbps, 8 kHz ~ 48 kHz) • Ogg(Q0 ~ Q10) • FLAC (Free Lossless Audio Codec)
Output Frequency Range	20 Hz ~ 20 kHz
Signal to Noise Ratio	93 dB with 20 kHz LPF (based on 1 kHz 0 dB)
Supported Number of Files/Folders	File: Max. 3000 Folder: Max. 1000
Playing Time	• MP3 (up to 256 kbps) : 17hours (Vol 15, Normal sound mode, LED off, Buttons locked) • MP3 (320 kbps): 15 hours (Vol 15, Normal sound mode, LED off, Buttons locked) • Ogg (up to Q5): 9.5 hours (Vol 15, Normal sound mode, LED off, Buttons locked) • Ogg (below Q6): 7.5 hours (Vol 15, Normal sound mode, LED off, Buttons locked) • WMA: 9 hours (Vol 15, Normal sound mode, LED off, Buttons locked) • FLAC: 9 hours (Vol 15, Normal sound mode, LED off, Buttons locked) * With buttons unlocked, playing time may be reduced because of touch button activity.
Temperature Range for Operation	5 ℃ ~ 35 ℃
Case	Plastic
Weight	13.7 g
Dimensions (WxHxD)	32.5 x 43.1 x 14.2 mm

* Some of the contents in this manual are subject to change without prior notice for further improvement.

Correct disposal of this product

(Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product

(Applicable in countries with separate collection systems)

The marking on the battery, manual or packaging indicates that the battery in this product should not be disposed of with other household waste. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.

The battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider. Do not attempt to remove the battery or dispose it in a fire. Do not disassemble, crush, or puncture the battery. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery.

Licence

The product player accompanying this user manual is licensed under certain intellectual property rights of certain third parties. This licence is limited to private non-commercial use by end-user consumers for licensed contents.
No rights are granted for commercial use.
The licence does not cover any product player other than this product player and the licence does not extend to any unlicensed product player or process conforming to ISO/IEC 11172-3 or ISO/IEC 13818-3 used or sold in combination with this product player. The licence only covers the use of this product player to encode and/or decode audio files conforming to the ISO/IEC 11172-3 or ISO/IEC 13818-3. No rights are granted under this licence for product features or functions that do not conform to the ISO/IEC 11172-3 or ISO/IEC 13818-3.

Open Source Announcement

This product includes certain free/open source software.
The exact terms of the licences, disclaimers, acknowledgements and notices are available on the Samsung's website **http://opensource.samsung.com**.

Contact Samsung World Wide

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG Customer Care Centre.

Country	Customer Care Centre ☎	Web Site
CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com
MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com
U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com
ARGENTINE	0800-333-3733	www.samsung.com
BRAZIL	0800-124-421, 4004-0000	www.samsung.com
CHILE	800-SAMSUNG(726-7864)	www.samsung.com
NICARAGUA	00-1800-5077267	www.samsung.com
HONDURAS	800-7919267	www.samsung.com
COSTA RICA	0-800-507-7267	www.samsung.com
ECUADOR	1-800-10-7267	www.samsung.com
EL SALVADOR	800-6225	www.samsung.com
GUATEMALA	1-800-299-0013	www.samsung.com
JAMAICA	1-800-234-7267	www.samsung.com
PANAMA	800-7267	www.samsung.com
PUERTO RICO	1-800-682-3180	www.samsung.com
REP. DOMINICA	1-800-751-2676	www.samsung.com
TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com
VENEZUELA	0-800-100-5303	www.samsung.com
COLOMBIA	01-8000112112	www.samsung.com

Country	Customer Care Centre ☎	Web Site
AUSTRIA	0810 - SAMSUNG(7267864, € 0.07/min)	www.samsung.com
BELGIUM	02 201 2418	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
BULGARIA	07001 33 11	www.samsung.com
CZECH	800-SAMSUNG(800-726786)	www.samsung.com
DENMARK	70 70 19 70	www.samsung.com
FINLAND	030 - 6227 515	www.samsung.com
FRANCE	01 48 63 00 00	www.samsung.com
GERMANY	01805 - SAMSUNG(726-7864 € 0,14/Min)	www.samsung.com
GREECE	80111-SAMSUNG(80111 7267864) from land line, local charge / 210 6897691 from mobile	www.samsung.com
HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
LUXEMBURG	261 03 710	www.samsung.com
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
NORWAY	815-56 480	www.samsung.com
POLAND	0 801 1SAMSUNG(172678), 022-607-93-33	www.samsung.com

Country	Customer Care Centre ☎	Web Site
PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com
RUMANIA	08010 SAMSUNG (08010 726 7864) only from landline, local network Romtelecom - local tariff / 021 206 01 10 for landline and mobile, normal tariff	www.samsung.com
SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com
SPAIN	902-1-SAMSUNG(902 172 678)	www.samsung.com
SWEDEN	0771 726 7864(SAMSUNG)	www.samsung.com
U.K	0330 SAMSUNG(7267864)	www.samsung.com
EIRE	0818 717 100	www.samsung.com
SWITZERLAND	0848-SAMSUNG(7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ch_fr/ (French)
LITHUANIA	8-800-77777	www.samsung.com
LATVIA	8000-7267	www.samsung.com
ESTONIA	800-7267	www.samsung.com
RUSSIA	8-800-555-55-55	www.samsung.com
KAZAKHSTAN	8-10-800-500-55-500(GSM: 7799)	www.samsung.com
UZBEKISTAN	8-10-800-500-55-500	www.samsung.com
KYRGYZSTAN	00-800-500-55-500	www.samsung.com
TADJIKISTAN	8-10-800-500-55-500	www.samsung.com
UKRAINE	0-800-502-000	www.samsung.ua www.samsung.com/ua_ru
AUSTRALIA	1300 362 603	www.samsung.com

Country	Customer Care Centre ☎	Web Site
NEW ZEALAND	0800 SAMSUNG(0800 726 786)	www.samsung.com
CHINA	400-810-5858 010-6475 1880	www.samsung.com
HONG KONG	(852) 3698-4698	www.samsung.com/hk www.samsung.com/hk_en/
INDIA	3030 8282, 1800 110011, 1-800-3000-8282, 1800 266 8282	www.samsung.com
INDONESIA	0800-112-8888, 021-5699-7777	www.samsung.com
MALAYSIA	1800-88-9999	www.samsung.com
PHILIPPINES	1-800-10-SAMSUNG(726-7864), 1-800-3-SAMSUNG(726-7864), 1-800-8-SAMSUNG(726-7864), 02-5805777	www.samsung.com
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com
THAILAND	1800-29-3232, 02-689-3232	www.samsung.com
TAIWAN	0800-329-999	www.samsung.com
VIETNAM	1 800 588 889	www.samsung.com
SAUDI ARABIA	9200-21230	www.samsung.com
TURKEY	444 77 11	www.samsung.com
U.A.E	800-SAMSUNG(726-7864)	www.samsung.com
SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com

Halogen Free Product

Samsung's Halogen Free Product means that an environmental friendly product does not contain Chlorine, Bromine Flame Retardants and PVC (poly vinyl chloride) material based on the IEC 61249-2-21 standard. This product also complies with EU RoHS Directive, which restricts the use of certain Hazardous Substances - Cadmium (Cd), Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr+6) as well.

REV. 2.0